



Ontario

Ministry of
Northern Development
and Mines

Sean Conway Minister of Mines

ONTARIO GEOLOGICAL SURVEY

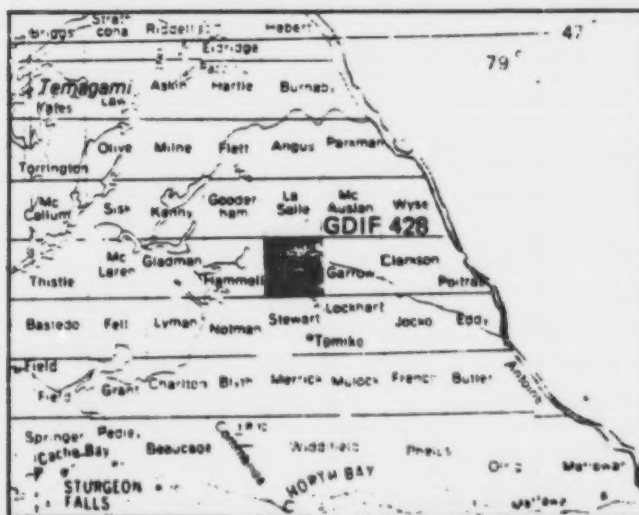
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 428

OSBORNE TOWNSHIP

DISTRICT OF NIPISSING

Compiled by the Staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

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ACCOMPANYING MAPS

Property Location Map - 1 Map

Exploration Data Map - 1 Map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL

SI Unit Multiplied by Gives

1 mm 0.039 37 inches
1 cm 0.393 70 inches
1 m 3.280 84 feet
1 m 0.049 709 7 chains
1 km 0.621 371 miles (statute)

CONVERSION FROM IMPERIAL TO SI

Imperial Unit Multiplied by Gives

LENGTH

1 inch 25.4 mm
1 inch 2.54 cm
1 foot 0.304 8 m
1 chain 20.116 8 m
1 mile (statute) 1.609 344 km

AREA

1 cm² 0.155 0 square inches
1 m² 10.763 9 square feet
1 km² 0.386 10 square miles
1 ha 2.471 054 acres
1 square inch 6.451 6 cm²
1 square foot 0.092 903 04 m²
1 square mile 2.589 988 km²
1 acre 0.404 685 6 ha

VOLUME

1 cm³ 0.061 02 cubic inches
1 m³ 35.314 7 cubic feet
1 m³ 1.308 0 cubic yards
1 cubic inch 16.387 064 cm³
1 cubic foot 0.028 316 85 m³
1 cubic yard 0.764 555 m³

CAPACITY

1 L 1.759 755 pints
1 L 0.879 877 quarts
1 L 0.219 969 gallons
1 pint 0.568 261 L
1 quart 1.136 522 L
1 gallon 4.546 090 L

MASS

1 g 0.035 273 96 ounces (avdp)
1 g 0.032 150 75 ounces (troy)
1 kg 2.204 62 pounds (avdp)
1 kg 0.001 102 3 tons (short)
1 t 1.102 311 tons (short)
1 kg 0.000 984 21 tons (long)
1 t 0.984 206 5 tons (long)
1 ounce (avdp) 28.349 523 g
1 ounce (troy) 31.103 476 8 g
1 pound (avdp) 0.453 592 37 kg
1 ton (short) 907.184 74 kg
1 ton (short) 0.907 184 74 t
1 ton (long) 1016.046 906 8 kg
1 ton (long) 1.016 046 906 8 t

CONCENTRATION

1 g/t 0.029 166 6 ounce (troy)/ton (short)
1 g/t 0.583 333 33 pennyweights/ton (short)
1 ounce (troy)/ton (short) 34.285 714 2 g/t
1 pennyweight/ton (short) 1.714 285 7 g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short) 20.0 pennyweights/ton (short)
1 pennyweight/ton (short) 0.05 ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE—Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

SOURCES OF DATA		Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	No	D.P.A.
3	ODM General Index: 9 volumes	No	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	No	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	No	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	No	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	Miscellaneous Papers: ODM & OGS	Yes	D.P.A.
16	ODM Geological Circulars: OGS Study Series	No	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	No	D.P.A.
18	ODM - OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	No	D.P.A.
22	Theses on File, Cobalt	No	D.P.A.
23	Aerial Photographs on File Toronto	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

Δ anh. Anhydrite	Δ fu. Fuchsite	Δ Ni. Nickel	Δ st. Stone
Δ ank. Ankerite	Δ gn. Galena	Δ Nb. Niobium	Δ talc. Talc
Δ anna. Annabergite	Δ gt. Garnet	Δ Pd. Palladium	Δ Te. Tellurium
Δ ap. Apatite	Δ goe. Goethite	Δ peat. Peat	Δ td. Tetrahedrite
Δ arg. Argentite	Δ Au. Gold	Δ pent. Pentlandite	Δ th. Thorite
Δ As. Arsenic	Δ gf. Graphite	Δ Pt. Platinum	Δ Th. Thorium
Δ asp. Arsenopyrite	Δ gl. Gravel	Δ py. Pyrite	Δ thuc. Thucholite
Δ atb. Asbestos	Δ gyp. Gypsum	Δ pyl. Pyrochlore	Δ ti. Titanite
Δ ba. Barite	Δ hem. Hematite	Δ pyrl. Pyrolusite	Δ Ti. Titanium
Δ be. Beryl	Δ il. Ilmenite	Δ po. Pyrrhotite	Δ tour. Tourmaline
Δ Bi. Bismuth	Δ Fe. Iron	Δ q. Quartz	Δ trap. Trap rock
Δ bn. Bornite	Δ IF. Iron Formation	Δ qcv. Quartz carbonate vein	Δ W. Tungsten
Δ bran. Brannerite	Δ jas. Jasper	Δ ra. Radioactive minerals	Δ uran. Uraninite
Δ bruc. Brucite	Δ kaol. Kaolinite (kaolin)	Δ RE. Rare Earths	Δ U. Uranium
Δ Cd. Cadmium	Δ ky. Kyanite	Δ sd. Sand	Δ verm. Vermiculite
Δ calc. Calcite	Δ Pb. Lead	Δ sgl. Sand and gravel	Δ Y. Yttrium
Δ carb. Carbonate	Δ lim. Limonite	Δ ss. Sandstone	Δ Zn. Zinc
Δ cel. Celestite	Δ Li. Lithium	Δ scap. Scapolite	Δ zr. Zircon
Δ cc. Chalcocite	Δ mgt. Magnesite	Δ shee. Scheelite	
Δ cp. Chalcopyrite	Δ mag. Magnetite	Δ serp. Serpentine	
Δ ch. Chert	Δ mc. Malachite	Δ sh. Shale	
Δ clay. Clay	Δ Mn. Manganese	Δ sid. Siderite	
Δ Co. Cobalt	Δ mb. Marble	Δ si. Silica	
Δ cob. Cobaltite	Δ mar. Marcasite	Δ Ag. Silver	
Δ cb. Columbite	Δ ma. Marl	Δ sl. Slate	
Δ Cu. Copper	Δ mi. Mica	Δ sm. Smaltite	
Δ cor. Corundum	Δ ml. Millerite	Δ sod. Sodalite	
Δ dol. Dolomite	Δ mo. Molybdenite	Δ spec. Specularite	
Δ ep. Epidote	Δ Mo. Molybdenum	Δ sp. Sphalerite	
Δ ery. Erythrite	Δ mon. Monazite	Δ spd. Spodumene	
Δ fel. Feldspar	Δ ne. Nephelite (nepheline)	Δ staur. Staurolite	
Δ fl. Fluorite (fluor spar)	Δ nc. Niccolite	Δ stib. Stibnite	

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or listed in Drillhole Summary

MINERAL OCCURRENCES		Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)			
	No data available as of June 29, 1987			

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIO-METRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIO-METRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
1	EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number) Vailloncourt, Gilbert			83																

DRILLHOLE SUMMARY		Assay Data Included for	Mineralization Noted in Log	Total Length of Hole	Thickness of Overburden	Initial Dip of Hole	Bearing Azimuth	Date Drilled	Company Drillhole Number
Map Drilling Location Number	Company Name								
	No data available as of June 29, 1987								

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA				Flight Line Spacing
No.	By For	Type of Survey	Flight Altitude	Flight Line Direction
	No data available as of June 29, 1987			

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
	No data available as of June 29, 1987			

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No data available as of June 29, 1987			

LANDSAT COLOUR PHOTO _ NTS 31 M

LS	TR	FR	Date of Imagery	Band	Cycle/Day
2	20	27	13/10/81	C ₁	136/10

On File in Cobalt Office

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

No data available as of June 29, 1987

ODM GENERAL INDEX SEARCH

Words searched: Black Duck Creek
Jocko Lake
Jocko River
Osborne Twp.
Vailloncourt, Gilbert

Index Volume	Listing:	Report Volume	Part	Page
	No data available as of June 29, 1987			

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Ayers, L.D., Lumbers, S.B., Milne, V.G., Robeson, D.W.	1971	<u>REGIONAL GEOLOGICAL COMPILATION MAPS</u> Ontario Geological Map, East Central Sheet		ODMNA Map 2198	1:1 013 760
	1971	Sudbury-Cobalt Sheet, Geological Compilation Series, Algoma, Manitoulin, Nipissing, Parry Sound, Sudbury & Timiskaming District, Ontario		ODMNA Map 2188	1:253 440
	1977	Sudbury-Cobalt, NTS 31L/W, 31M/SW, 41I, 41 P/S, Sudbury & AL5 District, Ontario		OGS Map 2361	1:253 440
	1979	Ontario Geological Map, East Central Sheet, NTS 31N/W, 32/W, 41/N, 42		OGS Map 2393	1:1 013 760
	1986	Geochronology Compilation Map for Ontario: Sheet 1: Southern Ontario; Grenville Province and Environs, Ar-Ar and K-Ar Isotopic Systems		OGS Map P.2840	1:1 013 760
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 2: Southern Ontario; Grenville Province and Environs, Rb-Sr, Nd, Sm, U-Pb, and other Isotopic Systems		OGS Map P.2841	1:1 013 760
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 3: East Central Ontario, All Isotopic Systems		OGS Map P.2842	1:1 013 760

GDIF FORM NO. 9

SELECTED REFERENCES				Map Scales and/or Report Pages
Author	Date	Title	Reference	
GSC-OGS Gupta, K.V., Wadge, D.R. Gupta, V.K., Grant, F.S., Boud, A. Gupta, V.K. GSC Gupta, V.K.	1965	<u>GEOPHYSICAL MAPS</u> Témiscaming, Ontario-Quebec, NTS 31L/11	GSC Map 1479G	1:63 360
	1978	Airborne Gamma-Ray Spectrometry Maps and Profiles	OGS Map 1649-1687	1:250 000
	1980	Bouger Gravity and Generalized Geological Map, North Bay-Marten River Area, NTS 31L/W, 411/E, Districts of Nipissing & Sudbury, Ontario	OGS Map 2297	1:100 000
	1981	A Gravity Study in North-Central Ontario, Districts of Sudbury, Nipissing and Temiskaming; in J. Wood et al, editors, Summary of Field Work, 1981 by the OGS	OGS MP 100	No. 26 pp.160-164
	1982	Gravity and Aeromagnetic Studies in North-Central Ontario: A Progress Report; in J. Wood et al, editors, Summary of Field Work, 1982 by the OGS	OGS MP 106	No. 24 pp.165-167
	1984	Sudbury, Ontario and Quebec 1MW NL16/17, Magnetic Anomaly Map	GSC Map NL16/17-M	1:1 000 000
	1985	Cobalt Embayment Interpretation: Depth to Basement and Distribution of Nipissing Diabase from Aeromagnetics; in Summary of Field Work and other Activities, 1985, Ontario Geological Survey, edited by John Wood, Owen L. White, R.B. Barlow and A.C. Colvine	OGS MP 126	p.178-181
		Geophysical Map	GSC Map 7066G	1:253 440
		Earth Physics Branch Gravity Map Series	EPB Maps No.84 and No.134	1:50 000

GDIF FORM 10

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Vincent, J-S, Hardy, L. Gartner, J.F.	1975	<u>SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING</u>		NTS 31L/11	1:50 000
	1978	Témiscaming, Ontario/Quebec topographic		NTS 31L	1:250 000
	1979	North Bay, topographic		GSC Bulletin 316	
	1980	The Evolution of Glacial Lakes Barlow and Ojibway, Quebec and Ontario		NOEGTS 96 OGS Map 5040	1:100 000
	1982	Tomiko Area, NTS 31L/NW, Nipissing District, Ontario		MNR Maps 20 17 6100 51700 20 17 6200 51700 20 17 6100 51600 20 17 6200 51600 MNR Map M-1039	1:20 000 1"=40 Ch.
Springer, J.S.		Ontario Basic Maps		NTS 31L/NW	1:126 720
		Osborne Township Claim Map			
		Tomiko, topographic			
		<u>MINERAL POTENTIAL</u>			
	1978	Ontario Mineral Potential, Parts of North Bay, Deep River & Ville Marie, NTS 31 K,L,M, Renfrew County & 2 Districts, Ontario		OGS Map P.1510	1:250 000
Vos, M.A., Smith, B.A., Stevenato, R.J.	1981	Industrial Minerals of the Sudbury Area, NTS 31/E, 31L, 41H, 41I, Sudbury, Nipissing, Parry Sound, & Manitoulin Districts		OGS OFR 5329	
	1982	Uranium and Thorium Deposits of Ontario, East Central Sheet, NTS 31/NW, 32/W, 41/N, 42		OGS Map P.2426	1:1 013 760

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Springer, J.S., Robertson, J.A., Vos, M.A. Yundt, S.E. Vos, M.A., Abolins, T., McKnight R.L.W., Smith, V. Vos, M.A., Smith, V.	1982	<u>MINERAL POTENTIAL</u> Mineral Potential Map of Ontario, East Central Sheet, NTS 31/NW, 32/W, 41/N, 42		OGS OFR 5327	1:1 500 000
	1982	Industrial Minerals of Ontario		OGS Map P.2591	
	1983	Industrial Minerals of Northern Ontario, Parts 1 and 2, NTS 31/NW, 32/W, 41/N, 42, 43, 52, 53		OGS OFR 5386	
	1983	Industrial Minerals of Northern Ontario- Supplement 2		OGS OFR 5439	
	Bell, R. Bell, R. Barlow, A.E.		<u>GEOCHEMICAL</u> No data available as of June 29, 1987		
		<u>GEOLOGICAL REPORTS AND MAPS</u>			
1892		The Laurentian and Huronian Systems North of Lake Huron		*OBM AR 1891 Volume 1	pp. 63-94
1892		Map of Parts of Districts of Nipissing and Algoma Exhibiting the Country around Sudbury and Eastward to Ottawa River		*OBM Map 1a	1:253 440
1899		Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets, Comprising portions of the District of Nipissing, Ontario and the County of Pontiac, Quebec		*GSC Annual Report X, pt. I *GSC Maps 599 and 606	

GDF FORM NO. 8

Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
		GEOLOGICAL REPORTS AND MAPS			
Barlow, A.E.	1899	Second Edition of a Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets		*GSC Separate Report 962 *GSC Map 944	
Roscoe, S.M.	1957	Geology and Uranium Deposits, Quirke Lake-Elliott Lake-Blind River Area, Ontario (Preliminary Report)		GSC Paper 56-1	
Lumbers, S.B.	1967	Tomiko Sheet, District of Nipissing, Ontario		ODM Map P.394	1:126 720
Lumbers, S.B.	1971	Tomiko Area, East Half, Nipissing District, Ontario		ODMNA Map P.679	1:63 360
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS			
		No data available as of June 30, 1987			
		*Out of Print			

GDIF FORM NC.

NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data.

On the maps only areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past more ground than is shown.

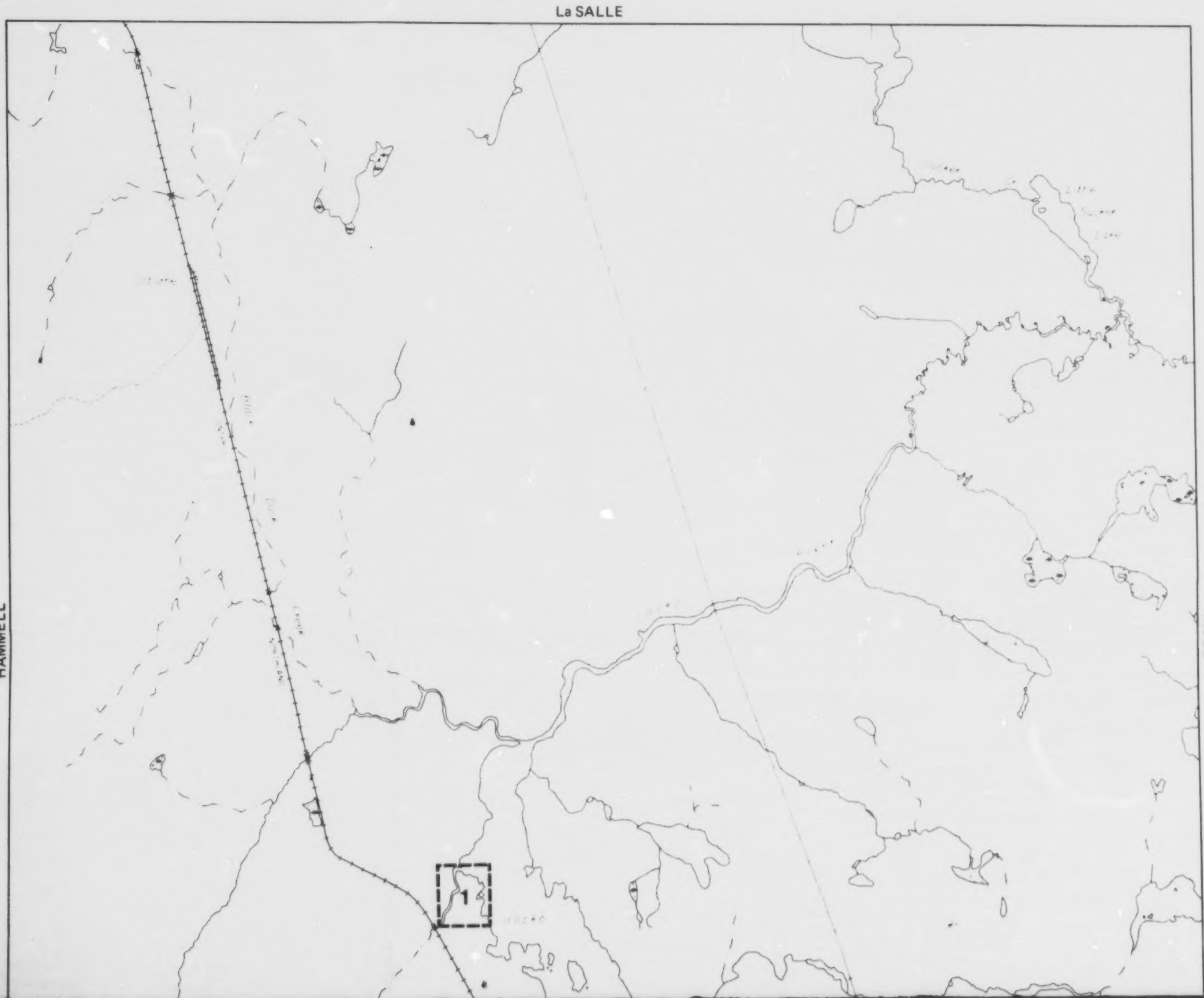
No present or past producers.

AIR PHOTOS - on file in Toronto

Only 1977 photos are available for viewing at the Public Service Centre, Rm. 1640, Whitney Block.

Photos can also be ordered from here for the years 1946, 1958 and 1970.

Year	Roll	Strip	Photo
1946	33	146	68-75
	33	147	54-61
	32	148	33-41
	29	149	20-27
	29	150	112-119
1958	059	4629	12-18
	059	4628	68-74
	059	4627	108-114
	036	4627	99-100
	051	4626	12-18
1970	36	4629	30-36
	33	4628	215-222
	33	4627	151-158
	33	4626	91-98
1977	20	4630	187-193
	22	4629	226-233
	23	4628	82-88
	23	4627	130-136
	23	4626	180-186



Ministry of
Northern Development
and Mines

Sean Conway Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

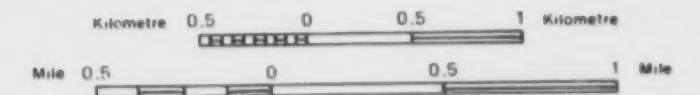
GEOLOGICAL DATA INVENTORY FOLIO 428

(Map 1 of 2)

DISTRICT OF NIPISSING

OSBORNE TOWNSHIP

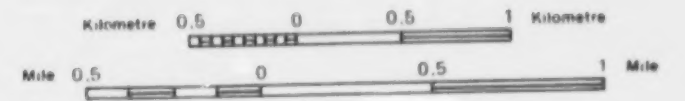
Scale 1:31 680



DISTRICT OF NIPISSING

OSBORNE TOWNSHIP

Scale 1:31 680

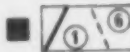
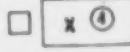


HAMMELL

GARROW

STEWART

EXPLORATION DATA FILE AREAS

-  Reference number is always inside work area outlined. See listing in text pages.
-  Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

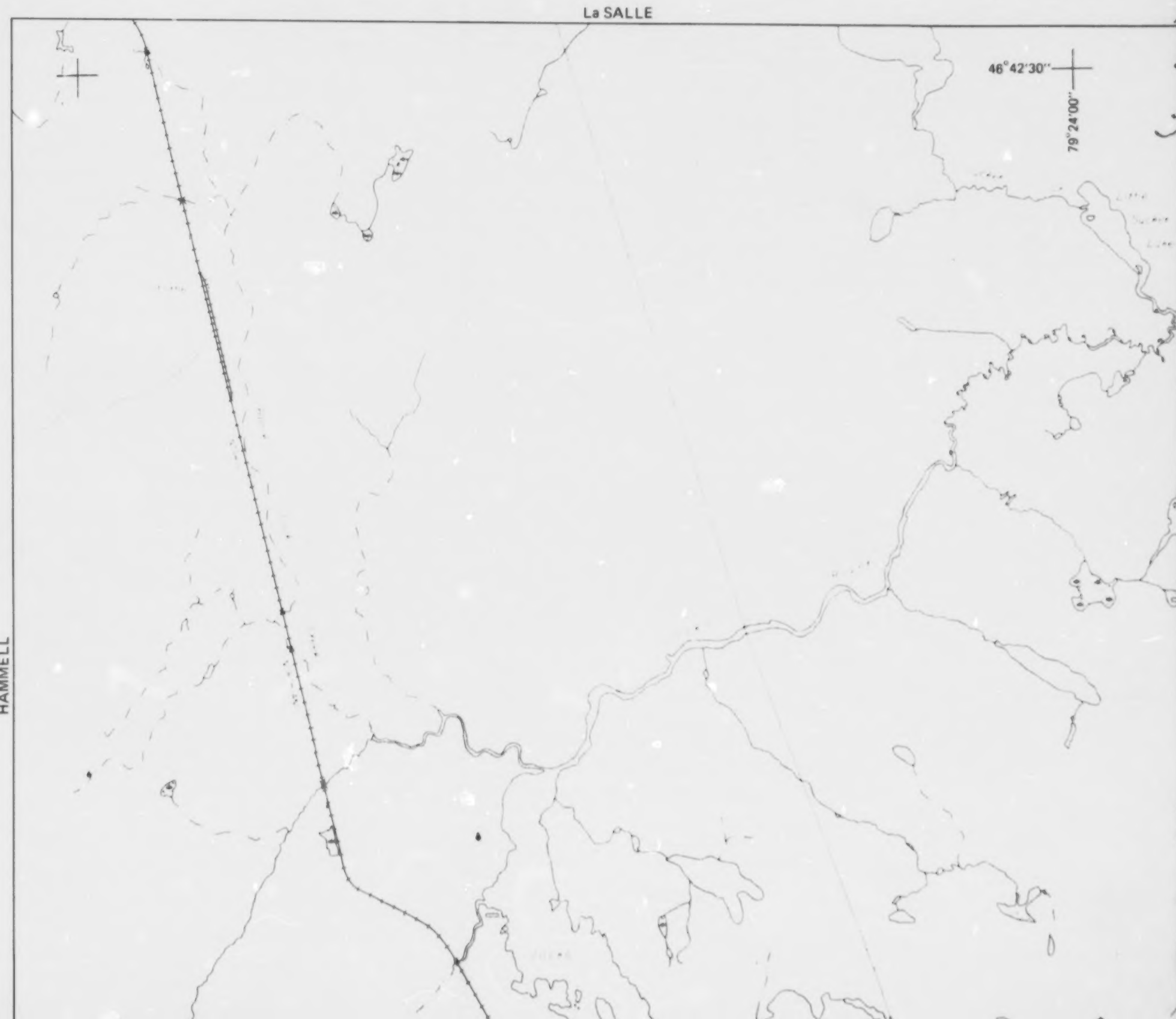
- ☐  Geochemical sample site, with reference number
- ☐  Area of geochemical sampling, with reference number
- ☐  Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐  Airborne magnetic anomaly
- ☐  Airborne electromagnetic anomaly
Length of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Location of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible
- ☐  Airborne radiometric anomaly
- ☐  Ground magnetic anomaly
- ☐  Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop;
VLF - Very low freq; Turam; JEM -
Crone Em - 16)
- ☐  Ground radiometric anomaly
- ☐  Induced polarization anomaly
- ☐  Self potential anomaly
- ☐  Audio-frequency magnetic anomaly
(total intensity)
- ☐  Resistivity anomaly
- ☐  Gravity anomaly

MISCELLANEOUS DATA

HAMELL





Ministry of
Northern Development
and Mines

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

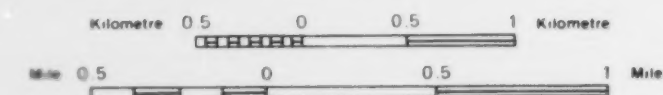
GEOLOGICAL DATA INVENTORY FOLIO 428

(Map 2 of 2)

DISTRICT OF NIPISSING

OSBORNE TOWNSHIP

Scale 1:31 680



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☐ Mineral occurrence at surface, with reference letter
- ☐ Mineral occurrence with shaft, depth given with reference letter
- ☐ Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ Mineralized float with reference letter

DRILLHOLE

- ☐ Location of single drillhole, with reference number
- ☐ Location of closely spaced group of drillholes, with reference

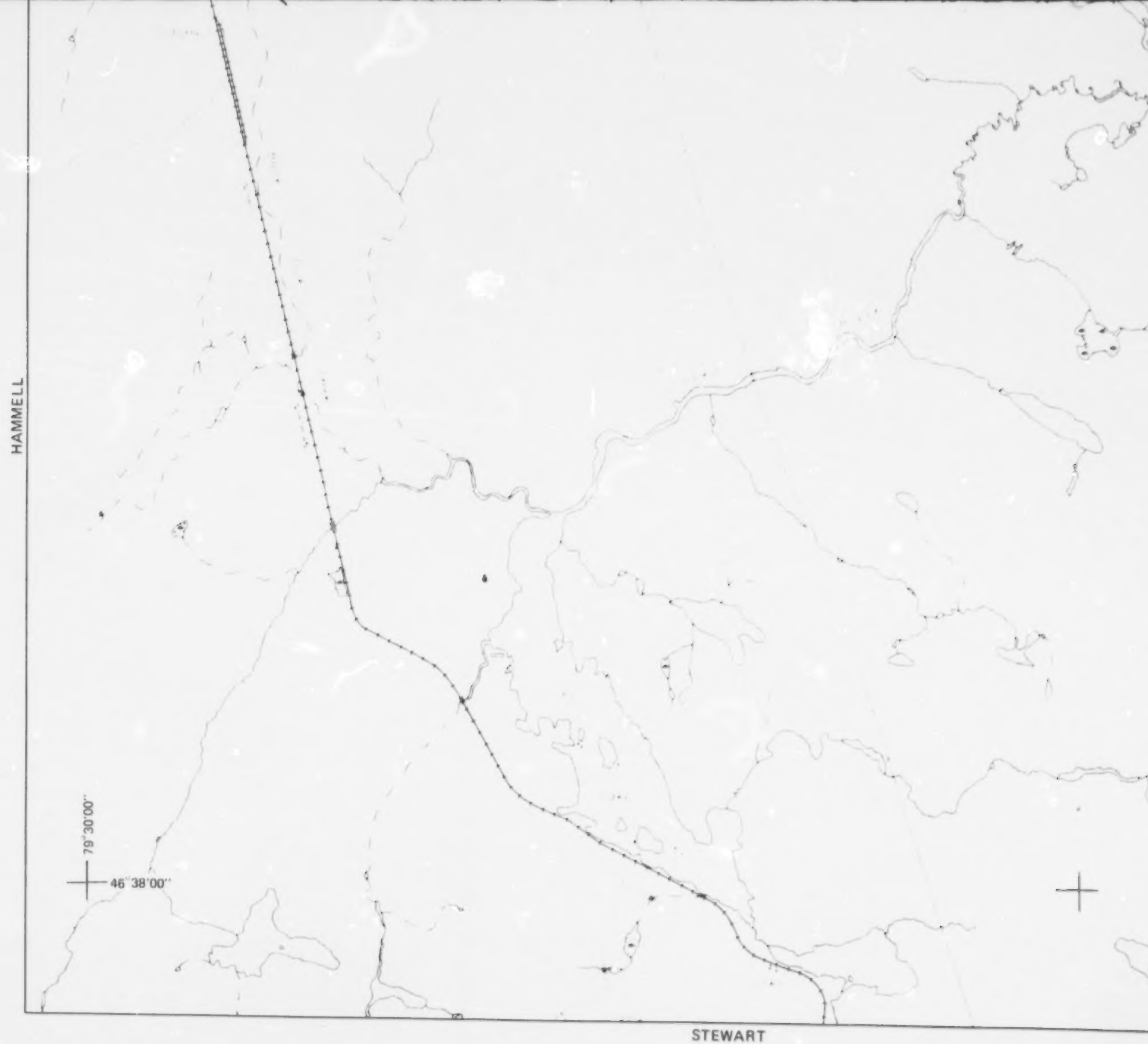
GEOPHYSICAL ANOMALIES

- ☐  Airborne magnetic anomaly
- ☐  Airborne electromagnetic anomaly
Length of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Location of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible
- ☐  Airborne radiometric anomaly
- ☐  Ground magnetic anomaly
- ☐  Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop;
VLF - Very low freq; Turam; JEM -
Crone Em - 16)
- ☐  Ground radiometric anomaly
- ☐  Induced polarization anomaly
- ☐  Self potential anomaly
- ☐  Audio-frequency magnetic anomaly
(total intensity)
- ☐  Resistivity anomaly
- ☐  Gravity anomaly

MISCELLANEOUS DATA

- | | |
|---|---|
| ☐  Trenching, pit | ☐  Rock quarry |
| ☐  Adit | ☐  Sand and/or gravel pit |
| ☐  Open pit | |

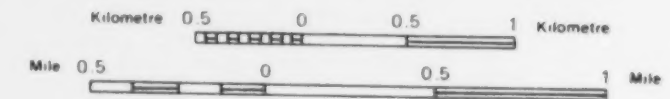
NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



DISTRICT OF NIPISSING

OSBORNE TOWNSHIP

Scale 1:31 680

**GEOLOGICAL AND MINING SYMBOLS**

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☐ Mineral occurrence at surface, with reference letter
- ☐ Mineral occurrence with shaft, depth given with reference letter
- ☐ Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ Mineralized float with reference letter

DRILLHOLE

- ☐ Location of single drillhole, with reference number
- ☐ Location of closely spaced group of drillholes, with reference number
- ☐ Drillhole, exact location uncertain, with reference number
- ☐ Property with underground drillholes in this general area, with reference number
- ☐ Property with drillholes which have not been plotted on map, with reference number
- ☐ Reverse circulation drillhole; churn drilling, with reference number

